

EVGA 11G-P4-6696-KR

EVGA GeForce GTX 1080 Ti FTW3 Gaming Graphics Card User Manual

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your EVGA GeForce GTX 1080 Ti FTW3 Gaming graphics card. Please read this guide thoroughly before installation to ensure proper setup and optimal performance. This graphics card is designed for high-performance gaming and demanding graphical applications, featuring advanced cooling and monitoring technologies.

2. PRODUCT OVERVIEW

The EVGA GeForce GTX 1080 Ti FTW3 Gaming graphics card (Model: 11G-P4-6696-KR) is engineered for superior gaming experiences. It features 11GB of GDDR5X memory and a Real Boost Clock of 1683 MHz. Key features include:

- **EVGA iCX Technology:** Incorporates 9 additional thermal sensors to precisely monitor memory and VRM temperatures, providing comprehensive thermal awareness.
- **GPU/Memory/PWM Thermal Status Indicator RGB LEDs:** Visual indicators for critical component temperatures.
- **3X Asynchronous Fan Control:** Allows independent control of multiple fans for optimized cooling based on specific component temperatures.
- **Optimized Airflow Design:** Features a new vented heatsink fin design and pin fins to enhance airflow and heat dissipation.
- **Safety Fuse:** Integrated safety fuse protects components from damage due to improper installation or other electrical failures.



Figure 1: Front view of the EVGA GeForce GTX 1080 Ti FTW3 Gaming Graphics Card.

3. SETUP AND INSTALLATION

Before installing your graphics card, ensure your computer's power is off and unplugged. Always handle the card by its edges to avoid touching sensitive components.

1. **Prepare Your System:** Turn off your computer and disconnect the power cable. Open your computer case.
2. **Locate PCIe Slot:** Identify an available PCI Express x16 slot on your motherboard. Remove any expansion slot covers that may be blocking it.
3. **Install the Graphics Card:** Carefully align the graphics card with the PCIe slot and press down firmly until it is securely seated. Ensure the retention clip on the motherboard engages.
4. **Secure the Card:** Use screws to secure the graphics card to the computer case at the expansion slot bracket.
5. **Connect Power:** Connect the required PCIe power cables from your power supply to the graphics card. This model typically requires two 8-pin PCIe power connectors.

6. **Close Case and Connect Display:** Close your computer case, reconnect the power cable, and connect your display monitor to one of the graphics card's output ports (HDMI, DisplayPort, or DVI).



Figure 2: Rear view of the graphics card, highlighting the HDMI, DisplayPort, and DVI output interfaces.

System Requirements: This graphics card requires a compatible system running Windows 10 (32/64bit), Windows 8 (32/64bit), or Windows 7 (32/64bit).

4. OPERATING THE GRAPHICS CARD

After physical installation, you will need to install the latest drivers for your EVGA GeForce GTX 1080 Ti FTW3 Gaming graphics card. Visit the official NVIDIA or EVGA website to download the most current drivers for your operating system.

- **Driver Installation:** Follow the on-screen instructions to install the graphics drivers. A restart may be required.
- **Thermal Monitoring:** Utilize EVGA's precision software to monitor the 9 iCX thermal sensors for GPU, memory,

and VRM temperatures. The RGB LEDs on the card provide a quick visual status of these temperatures.

- **Multi-Monitor Setup:** The card supports up to 4 monitors simultaneously. Maximum digital resolution is 7680 x 4320, with a maximum refresh rate of 240Hz.

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Video 1: A demonstration of a graphics card benchmark, showcasing performance metrics like FPS. This video illustrates the card's capability to handle demanding graphical tasks and maintain consistent frame rates.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your graphics card.

- **Dust Removal:** Periodically clean dust from the heatsink fins and fan blades using compressed air. Ensure the fans are not spinning during cleaning to prevent damage.
- **Airflow:** Maintain good airflow within your computer case. The card's optimized airflow design works best in a well-ventilated system.
- **Driver Updates:** Keep your graphics drivers updated to benefit from performance improvements and bug fixes.

6. TROUBLESHOOTING

If you encounter issues with your graphics card, consider the following troubleshooting steps:

- **No Display Output:** Ensure the graphics card is fully seated in the PCIe slot and all power cables are securely connected. Verify your monitor is connected to the graphics card, not the motherboard's integrated graphics.
- **Performance Issues:** Check that the latest drivers are installed. Monitor temperatures using EVGA software to ensure the card is not overheating. Verify power supply wattage meets the card's requirements.
- **System Instability/Crashes:** This could indicate an issue with drivers, overheating, or insufficient power. Reinstall drivers, check temperatures, and ensure your power supply is adequate. The integrated safety fuse helps prevent damage from electrical issues.
- **RGB LED Malfunction:** Ensure EVGA's software is installed and running correctly to control and monitor the RGB LEDs.

7. SPECIFICATIONS

Feature	Detail
Graphics Coprocessor	NVIDIA GeForce GTX 1080 Ti
Brand	EVGA
Graphics RAM Size	11 GB GDDR5X
GPU Clock Speed	1683 MHz (Boost)
Video Output Interface	HDMI, DisplayPort, DVI
Base Clock	1569 MHz
Memory Detail	11264MB GDDR5X

8. WARRANTY AND SUPPORT

Your EVGA GeForce GTX 1080 Ti FTW3 Gaming graphics card is covered by EVGA's limited warranty. For detailed warranty information, registration, and technical support, please visit the official EVGA website or contact their customer service. Keep your proof of purchase for warranty claims.

For further assistance, refer to the EVGA support resources available online.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question